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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
BLS	AA1	4,038,480	07/26/1977	Robins <i>et al.</i>			09/17/1973
BLS	AB1	4,088,639	05/09/1978	Zappelli <i>et al.</i>			06/12/1975
BLS	AC1	4,213,893	07/22/1980	Carrico <i>et al.</i>			10/12/1978
BLS	AD1	4,255,566	03/10/1981	Carrico <i>et al.</i>			02/19/1980
BLS	AE1	4,443,594	04/17/1984	Bückmann			09/08/1981
BLS	AF1	4,460,772	07/17/1984	Benovic <i>et al.</i>			05/11/1983
BLS	AG1	4,582,789	04/15/1986	Sheldon, III <i>et al.</i>			12/18/1984
BLS	AH1	4,599,303	07/08/1986	Yabusaki <i>et al.</i>			12/12/1983
BLS	AI1	4,617,261	10/14/1986	Sheldon, III <i>et al.</i>			10/25/1985
BLS	AJ1	4,683,195	07/28/1987	Mullis <i>et al.</i>			02/07/1986
BLS	AK1	4,683,202	07/28/1987	Mullis			10/25/1985
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
BLS	AL1	WO 92/06188 A2	04/16/1992	WIPO			Yes No
BLS	AM1	WO 92/06200 A1	04/16/1992	WIPO			Yes No
BLS	AN1	EP 0 329 822 B1	06/08/1994	Europe			Yes No
BLS	AO1	WO 95/35505 A1	12/28/1995	WIPO			Yes No
BLS	AP1	WO 96/10640 A1	04/11/1996	WIPO			Yes No
<b>OTHER (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
BLS	AR	1	Agrawal, S., "Functionalization of Oligonucleotides with Amino Groups and Attachment of Amino Specific Reporter Groups," in: <i>Methods in Molecular Biology, Vol. 26, Protocols for Oligonucleotide Conjugates</i> , Agrawal, S., ed., Humana Press, Totowa, NJ, pp. 93-120 (1994)				
BLS	AS	1	Augustyns, K., <i>et al.</i> , "Synthesis of oligonucleotides modified in the sugar moiety," <i>Nucl. Acids Res. Symp. Series 24:224</i> , Oxford University Press (1991)				
BLS	AT	1	Baird, G.S., <i>et al.</i> , "Biochemistry, mutagenesis, and oligomerization of DsRed, a red fluorescent protein from coral," <i>Proc. Natl. Acad. Sci. USA</i> 97:11984-11989, National Academy of Sciences (2000)				
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BLS	AA2	4,707,440	11/17/1987	Stavrianopoulos			01/30/1984
BLS	AB2	4,711,955	12/08/1987	Ward <i>et al.</i>			05/23/1983
BLS	AC2	4,737,454	04/12/1988	Dattagupta <i>et al.</i>			05/18/1984
BLS	AD2	4,743,535	05/10/1988	Carrico			11/07/1984
BLS	AE2	4,770,992	09/13/1988	Van den Engh <i>et al.</i>			11/27/1985
BLS	AF2	4,828,979	05/09/1989	Klevan <i>et al.</i>			11/08/1984
BLS	AG2	4,889,818	12/26/1989	Gelfand <i>et al.</i>			06/17/1987
BLS	AH2	4,965,188	10/23/1990	Mullis <i>et al.</i>			06/17/1987
BLS	AI2	5,244,797	09/14/1993	Kotewicz <i>et al.</i>			03/18/1991
BLS	AJ2	5,374,553	12/20/1994	Gelfand <i>et al.</i>			08/13/1990
BLS	AK2	5,409,818	04/25/1995	Davey <i>et al.</i>			06/24/1988

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BLS	AL2	WO 98/06736 A1	02/19/1998	WIPO			Yes No
BLS	AM2	WO 98/08981 A1	03/05/1998	WIPO			Yes No
BLS	AN2	WO 98/47912 A1	10/29/1998	WIPO			Yes No
BLS	AO2	WO 98/51699 A1	11/19/1998	WIPO			Yes No
BLS	AP2	WO 99/15702 A1	04/01/1999	WIPO			Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

BLS	AR	2	Barnes, W.M., "The fidelity of <i>Taq</i> polymerase catalyzing PCR is improved by an N-terminal deletion," <i>Gene</i> 112:29-35, Elsevier Science Publishers B.V. (1992)
BLS	AS	2	Barrio, J.R., <i>et al.</i> , "Fluorescent Adenosine and Cytidine Derivatives," <i>Biochem. Biophys. Res. Commun.</i> 46:597-604, Academic Press, Inc. (1972)
BLS	AT	2	Bevis, B.J. and Glick, B.S., "Rapidly maturing variants of the <i>Discosoma</i> red fluorescent protein (DsRed)," <i>Nature Biotechnol.</i> 20:83-87, Nature Publishing Group (January 2002)

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BLS	AA3	5,436,149	07/25/1995	Barnes			02/19/1993
BLS	AB3	5,455,166	10/03/1995	Walker			01/09/1992
BLS	AC3	5,512,462	04/30/1996	Cheng			02/25/1994
BLS	AD3	5,668,005	09/16/1997	Kotewicz <i>et al.</i>			03/12/1996
BLS	AE3	5,948,614	09/07/1999	Chatterjee			09/06/1996
BLS	AF3	6,015,668	01/18/2000	Hughes <i>et al.</i>			09/06/1996
BLS	AG3	6,063,608	05/16/2000	Kotewicz <i>et al.</i>			02/10/1997
BLS	AH3	2001/0041334 A1	11/15/2001	Rashtchian <i>et al.</i>			12/21/2000
BLS	AI3	2002/0012970 A1	01/31/2002	Smith <i>et al.</i>			03/30/2001
BLS	AJ3	2002/0090618 A1	07/11/2002	Smith <i>et al.</i>			05/01/2001
BLS	AK3	2003/0003452 A1	01/02/2003	Potter <i>et al.</i>			03/15/2001

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BLS	AL3	WO 00/52191 A1	09/08/2000	WIPO			Yes No
BLS	AM3	WO 01/092500 A1	12/06/2001	WIPO			Yes No
BLS	AN3	WO 01/68895 A1	09/20/2001	WIPO			Yes No
BLS	AO3	WO 02/04022 A1	01/17/2002	WIPO			Yes No
BLS	AP3	EP 0 684 315 B1	06/26/2002	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

BLS	AR	3	Campbell, R.E., <i>et al.</i> , "A monomeric red fluorescent protein," <i>Proc. Natl. Acad. Sci. USA</i> 99:7877-7882, National Academy of Sciences (June 2002)
BLS	AS	3	Chiesa, A., <i>et al.</i> , "Recombinant aequorin and green fluorescent protein as valuable tools in the study of cell signalling," <i>Biochem. J.</i> 355:1-12, The Biochemical Society (2001)
BLS	AT	3	Churchich, J.E., "Fluorescence studies on soluble ribonucleic acid labelled with acriflavine," <i>Biochim. Biophys. Acta</i> 75:274-276, Elsevier Publishing Company (1963)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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BLS	AR	4	Cristofari, G., <i>et al.</i> , "Characterization of Active Reverse Transcriptase and Nucleoprotein Complexes of the Yeast Retrotransposon Ty3 <i>in Vitro</i> ," <i>J. Biol. Chem.</i> 274:36643-36648, American Society for Biochemistry and Molecular Biology, Inc. (1999)
BLS	AS	4	Draper, D.E. and Gold, L., "A Method for Linking Fluorescent Labels to Polynucleotides: Application to Studies of Ribosome-Ribonucleic Acid Interactions," <i>Biochem.</i> 19:1774-1781, American Chemical Society (1980)
BLS	AT	4	Folsom, V., <i>et al.</i> , "Detection of DNA Targets with Biotinylated and Fluoresceinated RNA Probes," <i>Anal. Biochem.</i> 182:309-314, Academic Press, Inc. (1989)

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BLS	AR	5	Flaman, J.-M., <i>et al.</i> , "A rapid PCR fidelity assay," <i>Nucl. Acids Res.</i> 22:3259-3260, Oxford University Press (1994)
BLS	AS	5	Gebeyehu, G., <i>et al.</i> , "Novel biotinylated nucleotide - analogs for labelling and colorimetric detection of DNA," <i>Nucl. Acids Res.</i> 15:4513-4534, IRL Press Ltd. (1987)
BLS	AT	5	Gerard, G.F., <i>et al.</i> , "cDNA Synthesis by Moloney Murine Leukemia Virus RNase H-Minus Reverse Transcriptase Possessing Full DNA Polymerase Activity," <i>Focus</i> 14:91-93, Life Technologies, Inc. (1992)

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	AP						Yes No

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BLS	AR	6	Goodchild, J., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of Their Synthesis and Properties," <i>Bioconj. Chem.</i> 1:165-187, American Chemical Society (1990)
BLS	AS	6	Gubler, U. and Hoffman, B.J., "A simple and very efficient method for generating cDNA libraries," <i>Gene</i> 25:263-269, Elsevier Science Publishers (1983)
BLS	AT	6	Guzaev, A., <i>et al.</i> , "Synthesis and Primer Properties of Oligonucleotides Containing 3'-Deoxypsicothymidine Units, Labeled with Fluorescein at the 1'-Position," <i>Bioconj. Chem.</i> 5:501-503, American Chemical Society (1994)

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	AN						Yes No
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BLS	AR	I	Hileman, R.E., <i>et al.</i> , "Synthesis and Characterization of Conjugates Formed between Periodate-Oxidized Ribonucleotides and Amine-Containing Fluorophores," <i>Bioconj. Chem.</i> 5:436-444, American Chemical Society (1994)
BLS	AS	I	Knop, M., <i>et al.</i> , "Improved Version of the Red Fluorescent Protein (drFP583/DsRed/RFP)," <i>BioTechniq.</i> 33:592-602, Eaton Publishing Co. (July 2002)
BLS	AT	I	Kotewicz, M.L., <i>et al.</i> , "Isolation of cloned Moloney murine leukemia virus reverse transcriptase lacking ribonuclease H activity," <i>Nucl. Acids Res.</i> 16:265-277, IRL Press Ltd. (1988)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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BLS	AR	8	Krug, M.S. and Berger, S.L., "First-Strand cDNA Synthesis Primed with Oligo(dT)," <i>Meth. Enzymol.</i> 152:316-325, Academic Press, Inc. (1987)
BLS	AS	8	Larrick, J.W., et al., "Green fluorescent protein: untapped potential in immunotechnology," <i>Immunotechnol.</i> 1:83-86, Elsevier Science B.V. (1995)
BLS	AT	8	Lawyer, F.C., et al., "High-level Expression, Purification, and Enzymatic Characterization of Full-length <i>Thermus aquaticus</i> DNA Polymerase and a Truncated Form Deficient in 5' to 3' Exonuclease Activity," <i>PCR Meth. Appl.</i> 2:275-287, Cold Spring Harbor Laboratory Press (1993)

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BLS	AR	<u>9</u>	Leonard, N.J. and Tolman, G.L., "Fluorescent Nucleosides and Nucleotides," in: <i>Chemistry, Biology, and Clinical Uses of Nucleoside Analogs</i> , Bloch, A., ed., The New York Academy of Sciences, New York, NY, pp.43-58 (1975)
BLS	AS	<u>9</u>	Levina, A.S., <i>et al.</i> , "Oligonucleotide Derivatives Bearing Reactive and Stabilizing Groups Attached to C5 of Deoxyuridine," <i>Bioconj. Chem.</i> 4:319-325, American Chemical Society (1993)
BLS	AT	<u>9</u>	Maniatis, T., <i>et al.</i> , "The Isolation of Structural Genes from Libraries of Eucaryotic DNA," <i>Cell</i> 15:687-701, MIT (1978)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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BLS	AR	10	Mao, J.-R., <i>et al.</i> , "An Unusual Bacterial Reverse Transcriptase Having LVDD in the YXDD Box from <i>Escherichia coli</i> ," <i>Biochem. Biophys. Res. Commun.</i> 227:489-493, Academic Press, Inc. (1996)
BLS	AS	10	Meyer, R.B., Jr., "Incorporation of Modified Bases into Oligonucleotides," in: <i>Methods in Molecular Biology</i> , Vol. 26, <i>Protocols for Oligonucleotide Conjugates</i> , Agrawal, S., ed., Humana Press, Totowa, NJ, pp. 73-91 (1994)
BLS	AT	10	Mules, E.H., <i>et al.</i> , "In Vivo Ty1 Reverse Transcription Can Generate Replication Intermediates with Untidy Ends," <i>J. Virol.</i> 72:6490-6503, American Society for Microbiology (1998)

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BLS	AR	11	Okayama, H. and Berg, P., "High-Efficiency Cloning of Full-Length cDNA," <i>Molec. Cell. Biol.</i> 2:161-170, American Society for Microbiology (1982)
BLS	AS	11	Ono, A., <i>et al.</i> , "Nucleosides and Nucleotides. 121. Synthesis of Oligonucleotides Carrying Linker Groups at the 1'-Position of Sugar Residues," <i>Bioconj. Chem.</i> 4:499-508, American Chemical Society (1993)
BLS	AT	11	Pease, A.C., <i>et al.</i> , "Light-generated oligonucleotide arrays for rapid DNA sequence analysis," <i>Proc. Natl. Acad. Sci. USA</i> 91:5022-5026, National Academy of Sciences (1994)

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	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

BLS	AR	12	Sacchetti, A., <i>et al.</i> , "The molecular determinants of the efficiency of green fluorescent protein mutants," <i>Histol. Histopathol.</i> 15:101-107, Jiménez Godoy, S.A. (2000)
BLS	AS	12	Saiki, R.K., <i>et al.</i> , "Primer-Directed Enzymatic Amplification of DNA with a Thermostable DNA Polymerase," <i>Science</i> 239:487-491, American Association for the Advancement of Science (1988)
BLS	AT	12	Sambrook, J., <i>et al.</i> , eds., "Protocol for the Synthesis of the First Strand of cDNA," in: <i>Molecular Cloning. A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY, pp. 8.60-8.63 (1989)

EXAMINER /Bradley Sisson/

DATE CONSIDERED 09/30/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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INFORMATION DISCLOSURE STATEMENT
 ATTY. DOCKET NO.  
 0942.5690001/RWE/J-M  
 FIRST NAMED INVENTOR  
 Lee *et al.*

 APPLICATION NO.  
 10/821,128

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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	AE						
	AF						
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	AH						
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	AJ						
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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

BLS	AR	13	Terskikh, A.V., <i>et al.</i> , "Analysis of DsRed Mutants," <i>J. Biol. Chem.</i> 277:7633-7636, American Society for Biochemistry and Molecular Biology, Inc. (March 2002)
BLS	AS	13	Verkhusha, V.V., <i>et al.</i> , "An Enhanced Mutant of Red Fluorescent Protein DsRed for Double Labeling and Developmental Timer of Neural Fiber Bundle Formation," <i>J. Biol. Chem.</i> 276:29621-29624, American Society for Biochemistry and Molecular Biology, Inc. (2001)
BLS	AT	13	Viscidi, R.P., <i>et al.</i> , "Novel Chemical Method for the Preparation of Nucleic Acids for Nonisotopic Hybridization," <i>J. Clin. Microbiol.</i> 23:311-317, American Society for Microbiology (1986)

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BLS	AR	<u>14</u>	Yamana, K., <i>et al.</i> , "Incorporation of Two Anthraquinonylmethyl Groups into the 2'-O-Positions of Oligonucleotides: Increased Affinity and Sequence Specificity of Anthraquinone-Modified Oligonucleotides in Hybrid Formation with DNA and RNA," <i>Bioconj. Chem.</i> 7:715-720, American Chemical Society (1996)
BLS	AS	<u>14</u>	Zofall, M. and Bartholomew, B., "Two novel dATP analogs for DNA photoaffinity labeling," <i>Nucl. Acids Res.</i> 28:4382-4390, Oxford University Press (2000)
BLS	AT	<u>14</u>	Copy of Co-Pending United States Patent Application No. 09/677,574, Yang <i>et al.</i> , filed October 3, 2000 (NOT PUBLISHED)

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